

**Abstract**

A Potter-Bucky device for a radiation image recording apparatus in which an image recording medium is exposed to radiation which has passed through an object in order to record a radiation image of the object on the recording medium includes a grid which is movably supported between the object and the recording medium and is reciprocated parallel to the recording medium. A counter-weight is connected to the grid and is reciprocated in synchronization with the grid but in an opposite direction. Among other benefits and features, the disclosure reduces or eliminates vibrations produced by the reciprocating grid.